Abstract

An all solid type lithium ion secondary battery which has high heat resistance and can be used over a broad temperature range, has a high battery capacity and an excellent charging discharging characteristic, and can be used stably for a long period of time includes an inorganic substance including a lithium ion conductive crystalline and is substantially free of an organic substance and an electrolytic solution. The inorganic substance comprising a lithium ion conductive crystalline preferably is lithium ion conductive glass ceramics.